

PIC/D-5-53
29 September 1958

MEMORANDUM FOR: [REDACTED]

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SUBJECT: Visit of [REDACTED] and Mr. Edward Green
to HTA, 20-21 August 1958

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1. As you arranged it by telephone, [REDACTED] and Ed Green arrived at HTA on 20 August 1958 at 1200. It was my understanding that we were to discuss items of interest or need at HTA which Eastman Kodak Company might be able to provide. Therefore, without any formal agenda we proceeded to talk about the following subjects.

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a. Possible impression of a reseau or calibrated vacuum grid on the back of some sample aerial film at EK during manufacture in order to enable HTA to determine something quantitative eventually on differential film distortion. The best procedure for doing this is to place a reseau (glass grid) in the focal plane of the taking camera. Short of this, the vacuum grid may offer some assistance. Ed Green suggested some measured saw tooth notching in the film frame which could be measured. EK will experiment with vacuum frame impressions. HTA will talk with Ops about glass grids or saw tooth notchings in the camera frame.

b. Portable Processing Equipment, transportable as boxed units in a C-54 aircraft. The need for high quality processing overseas of films which have both tactical and strategic information leads us to investigate what EK could do in this field taking into careful consideration the number, type and qualifications of personnel needed to operate the equipment. EK is to study this and offer a proposal which might be expected to cover training of service operators and initial installation and maintenance by EK personnel.

c. 117L Program and Eastman's work to date on it. [REDACTED] and [REDACTED] would like Lundahl to come to Rochester and tour Eastman's 117L Program and offer comments or suggestions.

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d. Sequential Process for Printing B Photography - Four approaches discussed:

- (1) By hand - Not enough manpower to handle.
- (2) Motorized - Only slightly less manpower needed.
- (3) Modify the Morse Printers - Best interim solution.
- (4) Build an 13" x 13" Registered Printer - Best final solution but too expensive.

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Following another meeting at H Street with Mr. Bissell, [] and Mr. Green and preparation of a memo by Lundahl, action was approved for Eastman to proceed with (3) above to modify three Horse Printers.

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2. The following summarizes the discussions between Messrs. Green, [] regarding photo technology and the development of material or techniques to facilitate operations at PIC:

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a. Hi-Speed Photo Enlargements:

[] pointed out that a requirement exists for an auto-feed hi-speed enlarger with automatic-processing to cope with large volume report production. Major considerations that must be borne in mind: (1) sheet photographic paper about 16-20 pound weight must be used so that the size is constant for further printing on offset presses; (2) the quality of the photographic paper must be such that it will not wrinkle in processing and so that overprinting is possible on offset presses. Printing on the back must also be possible.

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Comment:

Mr. Green feels that a package unit such as this is possible. The question of the paper poses the greatest problem. X-ray type processors could probably handle the processing cycle, but no auto-feed sheet-repeat enlargers are yet available. He will post us on the paper as soon as possible.

b. Field Processing Package:

The general picture of designing a compact, transportable, hi-speed field processing package was discussed. This would consist of film processor, driers and printing agent. The discussion centered about the feasibility of making such a package airborne or air-transportable.

Comment:

Mr. Green is interested in this problem and suggested that we give him a set of detailed requirements or specifications on an informal basis and he would then be in a position to make recommendations. The informal transaction would then be formalized. I feel we should not move informally until we have the authority and funds to back us. Any proposal or study on Mr. Green's part would, it seems to me, be reimbursable. Necessary high-level coordination with the USAF, with whom rests responsibility for film processing at the USPIC Centers, must also be considered. At the appropriate time, I have a set of requirements which can be given Mr. Green.

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c. Relocation Facilities:

Mr. Green stated he would gladly submit a basic plan for a relocation facility subject to our scrutiny if he were provided with the requirements therefore. I feel that we must have a given requirement in hand before we move on this point. I agree with [] that the DD/I and DPS/DCI should give consideration to the erection of a new building to house PIC/HTA and provide for a relocation facility. Such a building would of necessity, be some distance from Washington, but within easy reach thereof.

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d. Gold Foil Titling:

This procedure appears to have considerable merit. The DMD can see no objection as long as each half of a 9 x 13" frame is titled (for Minicard recording) and titling on prints prepared from the Original Negative or any subsequent generation is positioned so as to be legible. Mr. Green was to discuss with [] the possibility of reversing the order of titling data so that it will be more readable for the Photographic Interpreter.

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e. Task Force Type Contract:

Mr. Green indicated that Mr. Lundahl had mentioned the possibility of arranging for a Task Force Type Contract. Several items which fell into this category were: modification of standard equipment, procurement of non-standard type items, such as; static eliminations, heated electric splicers, modified D-19 developer (for better contact control and possessing long life) etc.

3. No commitments of any sort were made as all discussions were merely exploratory in nature.

ARTHUR C. LUNDAHL
Director,
Photographic Intelligence Center

cc: DD/I
Cps
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